

bs-1360R

[Primary Antibody]

GADD45A Rabbit pAb

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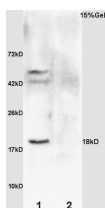
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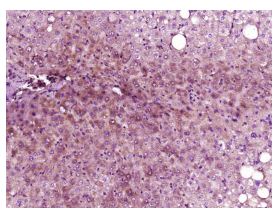
DATASHEET

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Flow-Cyt (3ug/Test) ICC/IF (1:100-500)
Clonality: Polyclonal		
GeneID: 1647	SWISS: P24522	
Target: GADD45A		
Immunogen: KLH conjugated synthetic peptide derived from human GADD45: 65-165/165.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		Reactivity: Human, Mouse, Rat (predicted: Pig, Cow, Chicken)
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		Predicted MW.: 18 kDa
Background: This gene is a member of a group of genes whose transcript levels are increased following stressful growth arrest conditions and treatment with DNA-damaging agents. The protein encoded by this gene responds to environmental stresses by mediating activation of the p38/JNK pathway via MTK1/MEKK4 kinase. The DNA damage-induced transcription of this gene is mediated by both p53 dependent and independent mechanisms.		Subcellular Location: Nucleus

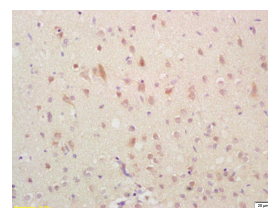
VALIDATION IMAGES



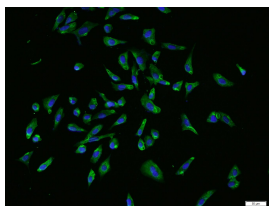
Sample: Lane1: Brain (Rat) Lysate at 30 ug
Lane2:Kidney (Rat) Lysate at 30 ug Primary: Anti-GADD45 (bs-1360R) at 1:200 dilution; Secondary: HRP conjugated Goat-Anti-Rabbit IgG(bs-0295G-HRP) at 1: 3000 dilution; Predicted band size : 18kD Observed band size : 18kD We are unsure as to the identity of these extra bands



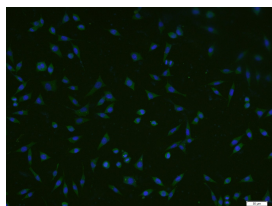
Paraformaldehyde-fixed, paraffin embedded (Human liver carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (GADD45) Polyclonal Antibody, Unconjugated (bs-1360R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



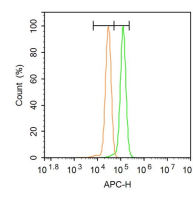
Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-GADD45 Polyclonal Antibody, Unconjugated(bs-1360R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: U-2OS cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (GADD45) Polyclonal Antibody, Unconjugated (bs-1360R) 1:200, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit



Tissue/cell: A431 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (GADD45) Polyclonal Antibody, Unconjugated (bs-1360R) 1:200, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit



Blank control: A431. Primary Antibody (green line): Rabbit Anti-GADD45 antibody (bs-1360R) Dilution: 1µg /10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody: Goat anti-rabbit IgG-AF647 Dilution: 1µg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature) and then

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IgG antibody (bs-0295G-FITC) at 37°C for 90 minutes, DAPI (5ug/ml, blue, C-0033) was used to stain the cell nuclei.

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permeabilized with 0.1% PBST for 20 min at room temperature. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

— SELECTED CITATIONS —

- **[IF=10.447]** Bin Yan. et al. Tumor and stroma COL8A1 secretion induces autocrine and paracrine progression signaling in pancreatic ductal adenocarcinoma. MATRIX BIOL. 2022 Nov;: IHC ;Mouse. 36375776
- **[IF=7.419]** Li Liu. et al. Nanosilver inhibits the progression of pancreatic cancer by inducing a paraptosis-like mixed type of cell death. BIOMED PHARMACOTHER. 2022 Sep;153:113511 IHC ;Chicken. 36076598
- **[IF=5.6]** Ming Xie. et al. GADD45A and GADD45B as Novel Biomarkers Associated with Chromatin Regulators in Renal Ischemia-Reperfusion Injury. INT J MOL SCI. 2023 Jan;24(14):11304 WB,IHC,IF ;Mouse. 37511062
- **[IF=4.2]** Yuan, Qing, et al. "Docetaxel-loaded solid lipid nanoparticles suppress breast cancer cells growth with reduced myelosuppression toxicity." International Journal of Nanomedicine 9 (2014): 4829. WB ;="Mouse". 25378924
- **[IF=4.489]** Xin-Li Xiao. et al. Status epilepticus induced Gadd45b is required for augmented dentate neurogenesis. Stem Cell Res. 2020 Dec;49:102102 IF ;Mouse. 33279798